AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently amended) A system for manipulating an image on a screen, said system comprising:

a touch-sensitive screen for displaying said image;

a stylus for indicating an image ~~a~~ point of said image displayed on said screen by touching said screen; and

generating means for generating said image on said screen, said generating means including a dynamic zoom means for carrying out a zoom action on said image on said screen;

wherein said zoom means detects a the image point indicated by said stylus on said screen, and repeatedly performs a zoom action on said image on said screen using said detected image point as the center of said zoom action until said stylus is removed from said screen.

2. (Currently amended) The system of claim 1, wherein said zoom action comprises an enlargement of said image on said screen about said image ~~indicated~~ point.

3. (Currently amended) The system of claim 1, wherein said zoom action comprises a reduction of said image on said screen about said image ~~indicated~~ point.

4. (Cancelled)

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5. (Previously amended) The system of claim 1, wherein said image is the graphical form of a mathematical object wherein a mathematical object comprises at least one of a mathematical function or a mathematical relation having a symbolic formula, and wherein said generating means includes meanfor generating said graphical form of said mathematical object.

6. (Original) A method of manipulating an image on a touch-sensitive screen using a stylus, said method comprising the steps of:

displaying said image on said screen;

detecting an instruction to perform a zoom action on said image;

detecting a point of contact of said stylus on said screen;

setting a center of said zoom action at said detected point of contact of said stylus on said screen; and

performing said zoom action on said image on said screen using said set center of zoom; and

repeating said step of performing said zoom action until it is detected that said stylus has been removed from contact with said screen.

7. (Original) The method of claim 6, wherein said zoom action is an enlargement of said image on said screen.

8. (Original) The method of claim 6, wherein said zoom action is a reduction of said image on said screen.

9. (Cancelled)

10. (Previously amended) The method of claim 6, wherein said image is the graphical form of a mathematical object wherein a mathematical object comprises at least one of a mathematical function or a mathematical relation having a symbolic formula, and wherein said step of displaying an image on

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said screen includes the step of generating said graphical form of said mathematical object.

11. (Cancelled)

12. (Cancelled)

13. (Cancelled)

14. (Cancelled)

15. (Cancelled)

16. (Currently amended) A system for manipulating an image on a screen, said system comprising:

a touch-sensitive screen for displaying said image;

a stylus for indicating an image ~~a~~ point on said screen by touching said screen; and

generating means for generating said image on said screen, said generating means including a dynamic zoom means for carrying out a zoom action on said image on said screen;

wherein said zoom means detects the image ~~a~~ point indicated by said stylus on said screen, and repeatedly performs a zoom action on said image on said screen using said detected image point as the center of said zoom action ~~until said stylus is removed from said screen~~;

~~wherein~~ said zoom means continually monitors the position of said stylus on said screen; and

~~wherein~~, on movement of said stylus across said screen, said zoom means alters the center of said zoom action so that the center of said zoom action follows the movement of ~~points on the screen traced by~~ said stylus.

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17. (Currently amended) A method of manipulating an image on a touch-sensitive screen using a stylus, said method comprising the steps of:

displaying said image on said screen;

detecting an instruction to perform a zoom action on said image;

detecting a point of contact of said stylus on said screen;

setting a center of said zoom action at said detected point of contact of said stylus on said screen;

performing said zoom action on said image on said screen using said set center of zoom;

moving the stylus across said screen while maintaining contact between the stylus and the screen, thereby changing the position of the point of contact on the screen; ~~and~~

~~repeating said step of performing said zoom action until it is detected that said stylus has been removed from contact with said screen;~~

~~the method further including the step of~~ monitoring the position of said stylus on said screen; and

moving ~~changing~~ said center of said zoom action in accordance with the movement of said stylus across said screen.

18. (Cancelled)

19. (Cancelled)

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